**Points to consider**

**Design or Create**

Design your own plant or animal

* Research plants and animals that are able to survive fire
* What characteristics do they have that help them survive
* Incorporate a number of these into your plant or animal
* Explain the reasoning for your design
* Chose how your want to present it – hand drawn/Photoshop etc

Create your own study to explore the different environments of Knox

* What physical areas are important to study What sort of land areas are you studying –in area, and composition – use Google maps!!
* What are the components that you wish to study within an environment
* Can you use the same parameters of the study to research all environments
* What is the purpose of the study
* What could you do you with the results of the study, who would benefit from seeing what you have found

Construct a model of an ecosystem

* What ecosystem are you going to model
* What are the component of the ecosystem (flora and fauna)
* How do the components interact
* What might happen if you remove components of the ecosystem

Create your own carbon cycle

* What is the carbon cycle
* What are the components of an carbon cycle
* How do these components interact
* What happens to the cycle if too much coal or petroleum is used
* In what other ways can this cycle be interrupted and unbalanced
* Find out what Carbon Sequestration is

Each task will assessed on:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Very High | High | Medium | Low | Not Shown |
| Presentation |  |  |  |  |  |
| Information relevant, detailed and complete. |  |  |  |  |  |
| Used class time effectively |  |  |  |  |  |
| Used technology to describe ideas |  |  |  |  |  |
| Was able to work independently |  |  |  |  |  |
| Included a bibliography (references) |  |  |  |  |  |